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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/668,426	09/22/2000	Alexander Medvinsky	18926-004600US	1955

20350 7590 04/08/2004

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EXAMINER

MOORTHY, ARAVIND K

ART UNIT	PAPER NUMBER
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2131

DATE MAILED: 04/08/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/668,426

Applicant(s)

MEDVINSKY, ALEXANDER

Examiner

Aravind K Moorthy

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 April 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-21 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 22 September 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>4</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-21 are pending in the application.
2. Claims 1-21 have been rejected.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

3. Claims 1-21 are rejected under 35 U.S.C. 102(e) as being anticipated by Brown U.S. Patent No. 6,058,480.

As to claims 1, 7 and 18, Brown discloses providing a server. Brown discloses providing a client configured to be coupled to the server. Brown discloses providing a trusted third party configured to be coupled to the client [column 6, lines 33-67]. Brown discloses generating a trigger message at the server. Brown discloses generating a nonce at the server. Brown

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discloses allowing the server to initiate a key management session with the client. Brown discloses utilizing the nonce coupled with the trigger message [column 9, lines 11-27].

As to claims 2, 8 and 19, Brown discloses that allowing the server to initiate the key management session with the client comprises conveying the trigger message and the nonce to the client [column 9, lines 11-14].

As to claims 3, 9 and 20, Brown discloses receiving the trigger message and the nonce at the client. Brown discloses generating a response message to the trigger message. Brown discloses conveying the response message and a returned nonce to the server [column 10, lines 27-30].

As to claim 4, Brown discloses an out-of-bounds value for the nonce to prevent an attacker from simulating a client initiated key management session. Brown discloses checking the nonce to determine whether the value of the nonce is the out-of-bounds value [column 11, lines 9-21].

As to claims 5, 10 and 21, Brown discloses confirming the value of the returned nonce at the server. Brown discloses conveying a reply message from the client to the server [column 10, lines 31-37].

As to claims 6 and 11, Brown discloses receiving from the client a response message and a false nonce at the server. Brown discloses determining that the false nonce is false. Brown discloses disregarding the client response message. Brown discloses determining that the server did not initiate the key management session [column 14, lines 51-67].

As to claim 14, Brown discloses receiving an All request message from the client. Brown discloses receiving a client nonce from the client wherein the client nonce is associated

with the All request. Brown discloses determining whether the client nonce matches a nonce conveyed from the server [column 10, lines 11-37].

As to claim 15, Brown suggests determining that the client nonce does not match the nonce conveyed from the server. Brown suggests disregarding the All request [column 10, lines 11-37].

As to claim 16, Brown discloses awaiting at the client for a reply from the server to the AP request. Brown discloses aborting the AP request session after a predetermined time period if no reply is received from the server [column 20, lines 31-44].

As to claim 17, Brown discloses determining that the client nonce does match the nonce conveyed from the server. Brown discloses generating an AP reply at the server to the AP request [column 21, lines 26-33].

As to claim 12, Brown discloses providing the Signaling Controller. Brown discloses providing the CTA configured to be coupled to the Signaling Controller. Brown discloses providing a key distribution center (KDC) [column 6, lines 33-67]. Brown discloses generating a trigger message at the Signaling Controller. Brown discloses generating a nonce at the Signaling Controller. Brown discloses coupling the nonce with the trigger message. Brown discloses transmitting the nonce coupled with the trigger message to the CTA [column 9, lines 11-27]. Brown discloses generating a response message to the trigger message. Brown discloses using the value of the nonce as the value of a returned nonce. Brown discloses coupling the response message with the returned nonce. Brown discloses transmitting the returned nonce and the response message to the Signaling Controller [column 10, lines 27-30]. Brown discloses comparing the returned nonce to the nonce. Brown discloses transmitting an All reply in reply to

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the response message. Brown discloses transmitting an SA recovered message to the Signaling Controller [column 10, lines 31-37].

As to claim 13, Brown discloses generating a wakeup message at the server. Brown discloses generating a server nonce at the server. Brown discloses conveying the wakeup message and the nonce to the client [column 9, lines 11-27]. Brown discloses generating an All request message at the client. Brown discloses conveying a client-nonce and the All request message to the server [column 10, lines 27-30]. Brown discloses confirming that the client nonce conveyed with the All request message matches the server nonce generated at the server [column 10, lines 31-37].

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Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Aravind K Moorthy whose telephone number is 703-305-1373. The examiner can normally be reached on Monday-Friday, 8:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz R Sheikh can be reached on 703-305-9648. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Aravind K Moorthy
April 2, 2004


AYAZ SHEIKH
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100